

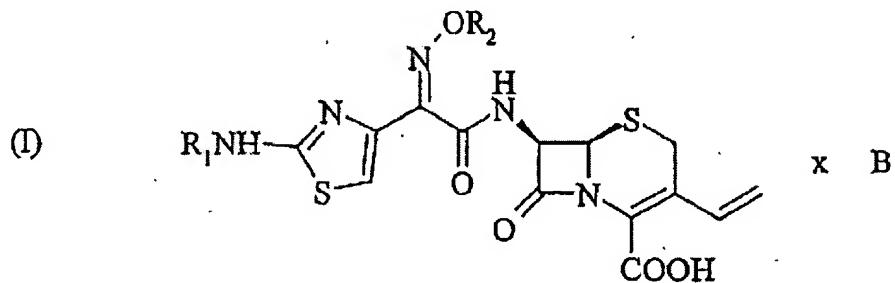
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Salts-A salt of-as set forth in formula (I)

wherein



- R₁ is hydrogen or an amino-protecting group, selected from C₁-C₆ acyl group optionally substituted with one or more chlorine or fluorine atoms, an alkyl- or aryl-oxy carbonyl group, or a trityl group wherein each benzene ring is optionally substituted with one or more methoxy and/or methyl groups;
- R₂ is a hydroxy-protecting group selected from a straight or branched C₁-C₆ alkyl group, a benzyl, benzhydryl or trityl group wherein each benzene ring is optionally substituted with one or more methoxy, nitro and/or methyl groups;
- B is ammonia or an organic base selected from primary amines, secondary amines, tertiary amines, guanidine, amidines; a solvate[[s]] or an adduct[[s]] thereof, excluding tributylamine, wherein said adduct is a complex of said salt and a compound represented as H-Z, wherein
H is hydrogen; and
Z is selected from -Cl, -S-mercaptobenzothiazolyl, -O-P⁺(Ph)₃Cl⁻,

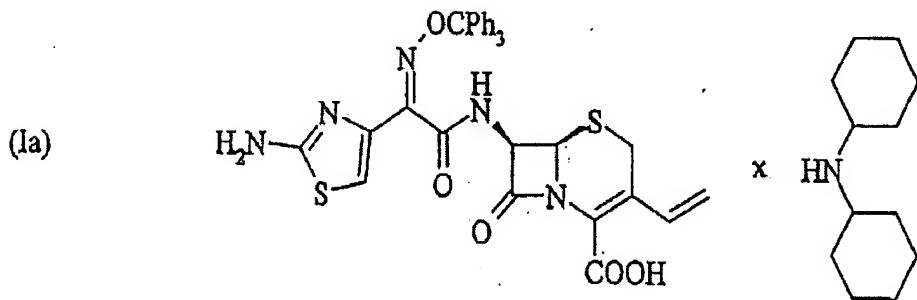
-O-P(S)(OEt)₂, -O-P(O)(OEt)², -O-SO₂Me, -O-SO₂Ph, -O-SO₂-pTol, -O-COtBu,
-O-C(O)OEt, -O-benzotriazol-1-yl, -S-(2-methyl-thiadiazol-5-yl) and
-O-CH=N⁺(CH₃)₂Cl⁻ or benzotriazol-1-yl-3-oxide.

2. (Currently amended) Salts The salt as claimed in claim 1 wherein R₁ is a formyl, tert-butoxycarbonyl, p-methoxybenzyloxycarbonyl, or trityl group.
3. (Currently amended) Salts The salt as claimed in claim 1 wherein R₂ is a tert-butyl, p-methoxybenzyl, 3,4-dimethoxybenzyl, benzhydryl, bis(p-methoxyphenyl)methyl and trityl group.
4. (Currently amended) Salts The salt as claimed in claim 1 wherein R₁ is hydrogen and R₂ is trityl.
5. (Currently amended) Salts The salt as claimed in claim 1 in which B is a primary amine selected from cyclohexylamine, 2-ethylhexylamine, benzylamine, α-methylbenzylamine and tert-octylamine.
6. (Currently amended) Salts The salt as claimed in claim 1 in which B is a secondary amine selected from diethylamine, morpholine, dicyclohexylamine, N,N-methylbenzylamine or N, N¹-dibenzylethylenediamine.
7. (Currently amended) Salts The salt as claimed in claim 6 wherein B is dicyclohexylamine.
8. (Currently amended) Salts The salt as claimed in claim 1 wherein B is a tertiary amine selected from triethylamine, tributylamine, triisooctylamine, ethyldiisopropylamine, N-methylmorpholine, pyridine, 2,6-lutidine or quinoline.

9. (Currently amended) Salts-The salt as claimed in claim 1 wherein B is 1,1,3,3-tetramethylguanidine.

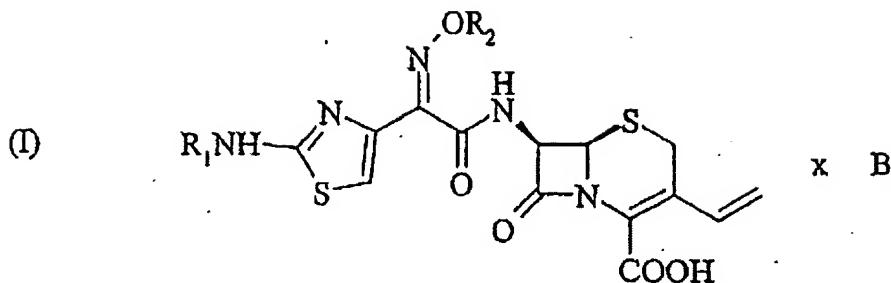
10. (Currently amended) Salts-The salt as claimed in claim 1 wherein B is 1,5-diazabicyclo[4.3.0]non-5-ene (DBN) or 1,8-diazabicyclo[5.4.0]undec-7-ene(DBU).

11. (Currently amended) Salts-The salt of claim 13, wherein said salt is set forth in formula (Ia)



12. (Currently Amended) A method of producing synthesizing cefdinir, comprising the step of providing deprotecting a salt of claim 1; and removing the hydroxy-protecting R₂ group; wherein when R₄ is not hydrogen the amino-protecting R₄ group is removed from the salt.

13. (New) A salt as set forth in formula (I)

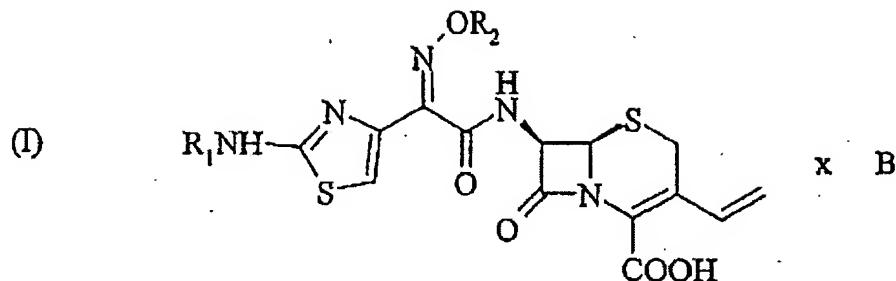


wherein

- R₁ is R₁ is a formyl, tert-butoxycarbonyl, p-methoxybenzyloxycarbonyl, or trityl group;
- R₂ is a hydroxy-protecting group selected from a straight or branched C₁-C₆ alkyl group, a benzyl, benzhydryl or trityl group wherein each benzene ring is optionally substituted with one or more methoxy, nitro and/or methyl groups;
- B is ammonia or an organic base selected from primary amines, secondary amines, tertiary amines, guanidine, amidines; a solvate or an adduct thereof.

14. (New) A method of synthesizing cefdinir, comprising the step of deprotecting the salt of claim 13.

15. (New) A salt as set forth in formula (I)



wherein

- R₁ is an amino-protecting group, selected from an alkyl- or aryl-oxycarbonyl group, or a trityl group wherein each benzene ring is optionally substituted with one or more methoxy and/or methyl groups;
- R₂ is a hydroxy-protecting group selected from a straight or branched C₁-C₆ alkyl group, a benzyl, benzhydryl or trityl group wherein each benzene ring is optionally substituted with one or more methoxy, nitro and/or methyl groups; and
- B is ammonia or an organic base selected from primary amines, secondary amines, tertiary amines, guanidine, amidines; a solvate or an adduct thereof, wherein said adduct is a complex of said salt and a compound represented as H-Z, wherein H is hydrogen; and
- Z is selected from -Cl, -S-mercaptobenzothiazolyl, -O-P⁺(Ph)₃Cl⁻, -O-P(S)(OEt)₂, -O-P(O)(OEt)², -O-SO₂Me, -O-SO₂Ph, -O-SO₂-pTol, -O-COtBu, -O-C(O)OEt, -O-benzotriazol-1-yl, -S-(2-methyl-thiadiazol-5-yl) and -O-CH=N⁺(CH₃)₂Cl⁻ or benzotriazol-1-yl-3-oxide.

16. (New) The adduct of claim 15.

17. (New) The salt of claim 15.